

# Abdelkader Dairi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,075  
citations

623574

14  
h-index

752573

20  
g-index

30  
all docs

30  
docs citations

30  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning methods for forecasting COVID-19 time-Series data: A Comparative study. Chaos, Solitons and Fractals, 2020, 140, 110121.	2.5	321
2	Comparative study of machine learning methods for COVID-19 transmission forecasting. Journal of Biomedical Informatics, 2021, 118, 103791.	2.5	97
3	An unsupervised monitoring procedure for detecting anomalies in photovoltaic systems using a one-class Support Vector Machine. Solar Energy, 2019, 179, 48-58.	2.9	95
4	Obstacle Detection for Intelligent Transportation Systems Using Deep Stacked Autoencoder and $\ell_1$ -Nearest Neighbor Scheme. IEEE Sensors Journal, 2018, 18, 5122-5132.	2.4	69
5	Short-Term Forecasting of Photovoltaic Solar Power Production Using Variational Auto-Encoder Driven Deep Learning Approach. Applied Sciences (Switzerland), 2020, 10, 8400.	1.3	66
6	Unsupervised obstacle detection in driving environments using deep-learning-based stereovision. Robotics and Autonomous Systems, 2018, 100, 287-301.	3.0	65
7	Statistical monitoring of a wastewater treatment plant: A case study. Journal of Environmental Management, 2018, 223, 807-814.	3.8	54
8	Deep learning approach for sustainable WWTP operation: A case study on data-driven influent conditions monitoring. Sustainable Cities and Society, 2019, 50, 101670.	5.1	48
9	Integrated Multiple Directed Attention-Based Deep Learning for Improved Air Pollution Forecasting. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	44
10	Detecting Abnormal Ozone Measurements With a Deep Learning-Based Strategy. IEEE Sensors Journal, 2018, 18, 7222-7232.	2.4	43
11	Forecasting emergency department overcrowding: A deep learning framework. Chaos, Solitons and Fractals, 2020, 139, 110247.	2.5	32
12	Monitoring Influent Conditions of Wastewater Treatment Plants by Nonlinear Data-Based Techniques. IEEE Access, 2019, 7, 108827-108837.	2.6	27
13	Desertification Detection Using an Improved Variational Autoencoder-Based Approach Through ETM-Landsat Satellite Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 202-213.	2.3	22
14	Deep Generative Learning-Based 1-SVM Detectors for Unsupervised COVID-19 Infection Detection Using Blood Tests. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	20
15	Towards accurate prediction of patient length of stay at emergency department: a GAN-driven deep learning framework. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 11481-11495.	3.3	14
16	Building Roof Superstructures Classification From Imbalanced and Low Density Airborne LiDAR Point Cloud. IEEE Sensors Journal, 2021, 21, 14960-14976.	2.4	8
17	Unsupervised deep learning-based process monitoring methods. , 2021, , 193-223.		6
18	Effective forecasting of key features in hospital emergency department: Hybrid deep learning-driven methods. Machine Learning With Applications, 2022, 7, 100200.	3.0	6

#	ARTICLE	IF	CITATIONS
19	Forecasting of Bicycle and Pedestrian Traffic Using Flexible and Efficient Hybrid Deep Learning Approach. Applied Sciences (Switzerland), 2022, 12, 4482.	1.3	6
20	Wastewater treatment plant monitoring via a deep learning approach. , 2018, , .		5
21	Reliable detection of abnormal ozone measurements using an air quality sensors network. , 2018, , .		5
22	Unsupervised recurrent deep learning scheme for process monitoring. , 2021, , 225-253.		5
23	Machine learning and deep learning-driven methods for predicting ambient particulate matters levels: A case study. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	5
24	Linear latent variable regression (LVR)-based process monitoring. , 2021, , 19-70.		4
25	Efficient land desertification detection using a deep learning-driven generative adversarial network approach: A case study. Concurrency Computation Practice and Experience, 2022, 34, e6604.	1.4	3
26	Efficient Deep Learning-driven Approach for PM2.5 Forecasting at Different Locations in Spain. , 2021, , .		2
27	A deep attention-driven model to forecast solar irradiance. , 2021, , .		1
28	Nonlinear latent variable regression methods. , 2021, , 119-154.		0